

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Manufacturer's Name	Emergency Telephone Number
GSL Minerals & Chemicals Corp.	(801) 731-3100
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information
765 North 10500 West	(801) 731-3100
Ogden, Utah 84404	Date Prepared
	July 16, 1990
	Signature of Preparer (optional)

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
---	----------	-----------	--------------------------	--------------

Boiling Point	N/A	Specific Gravity ( $H_2O = 1$ )	2.7
Vapor Pressure (mm Hg.)	N/A	Melting Point	106/degrees C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water 1 gm per 8.3 ml			
Appearance and Odor Solid whitish color - no color			

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media Not flammable			
Special Fire Fighting Procedures None			

(Reproduce locally)



**Section V — Reactivity Data**

Stability	Unstable N/A		Conditions to Avoid None
	Stable X		

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition or Byproducts

None under normal conditions, SO<sub>2</sub> at extremely high temperatures

Hazardous Polymerization	May Occur N/A		Conditions to Avoid N/A
	Will Not Occur X		

**Section VI — Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	See below	See below	See below

Health Hazards (Acute and Chronic)

None

Carcinogenicity:	N/A	NTP?	N/A	IARC Monographs?	N/A	OSHA Regulated?	N/A
------------------	-----	------	-----	------------------	-----	-----------------	-----

Signs and Symptoms of Exposure

Swallowing large doses would cause GI irritation

Medical Conditions

Generally Aggravated by Exposure None

Emergency and First Aid Procedures

Flush with water

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled

Readily soluble in water

Waste Disposal Method

Soluble in water - neutral or slightly basic solution occurs

Precautions to Be Taken in Handling and Storing

No special storage requirements

Other Precautions

Normal standard practices for good hygiene

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)

Simple dust mask for dusty conditions

Ventilation	Local Exhaust As required for dust	Special N/A
	Mechanical (General) As required for dust	Other N/A

Protective Gloves

N/A

Eye Protection

Goggles for dusty conditions

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

N/A



May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Manufacturer's Name**

Emergency Telephone Number

(801) 731-3100

Address (Number, Street, City, State, and ZIP Code)

Telephone Number for Information

765 North 10500 West

(801) 731-3100

Ogden, Utah 84404

Date Prepared

April 1, 1994

Signature of Preparer (optional)

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
---	----------	-----------	--------------------------	--------------

None

Boiling Point	225 degrees F	Specific Gravity (H <sub>2</sub> O = 1)	1.32
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	1

### Solubility in Water

100%

### Appearance and Odor

Liquid - slight yellow to colorless

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not flammable	N/A	N/A	N/A
Extinguishing Media			
N/A			
Special Fire Fighting Procedures			
None			

## Special Fire Fighting Procedures

None

### Unusual Fire and Explosion Hazards

None



**Section V — Reactivity Data**

Stability	Unstable N/A		Conditions to Avoid None
	Stable X		

Incompatibility (Materials to Avoid)  
NoneHazardous Decomposition or Byproducts  
None

Hazardous Polymerization	May Occur N/A		Conditions to Avoid None
	Will Not Occur X		

**Section VI — Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	See below	See below	See below

Health Hazards (Acute and Chronic)  
None

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
N/A	N/A	N/A	N/A

Signs and Symptoms of Exposure

Oral ingestion of large doses would cause GI irritation

Medical Conditions

Generally Aggravated by Exposure None

Emergency and First Aid Procedures

Flush with water

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled

Flush with water

Waste Disposal Method

Soluble in water-neutral or slightly basic solution occurs

Precautions to Be Taken in Handling and Storing

No special requirements

Other Precautions

Normal standard practice for good hygiene

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)

None

Ventilation	Local Exhaust N/A	Special N/A
	Mechanical (General) N/A	Other N/A

Protective Gloves  
N/A

Eye Protection

Glasses with splash shields

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

N/A







**Section V — Reactivity Data**

Stability	Unstable N/A	Conditions to Avoid None
	Stable X	

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition or Byproducts

Chlorine

Hazardous Polymerization	May Occur N/A	Conditions to Avoid None
	Will Not Occur X	

**Section VI — Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	See below	See below	See below

Health Hazards (Acute and Chronic)

None

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
N/A	N/A	N/A	N/A

Signs and Symptoms of Exposure

N/A

Medical Conditions

Generally Aggravated by Exposure None

Emergency and First Aid Procedures

Flush with water

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled

Readily soluble in water

Waste Disposal Method

Soluble in water- neutral or slightly basic solution occurs

Precautions to Be Taken in Handling and Storing

None

Other Precautions

Normal standard practice for good hygiene

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)

Simple dust mask for dusty conditions

Ventilation	Local Exhaust As required for dust	Special N/A
	Mechanical (General) As required for dust	Other N/A

Protective Gloves

N/A

Eye Protection

Goggles for dusty conditions

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

N/A